

CLAIMS:

1 1. A method for creating and managing a development environment that mimics
2 a target environment where a software application will be implemented comprising
3 the steps of:

4 receiving a first request comprising a description of said development
5 environment and said software application to be developed, wherein said
6 development environment comprises hardware components and software
7 components;

8 reviewing said first request in accordance with control information for
9 managing said first request;

10 assigning said first request to one or more developers;

11 processing said first request;

12 establishing said development environment upon said processing said first
13 request; and

14 monitoring said development environment asynchronously for violations of
15 conditions established by said control information.

1 2. The method as recited in claim 1 further comprising the steps of:

2 identifying a violation of a condition; and

3 notifying a developer of said violated condition.

1 3. The method as recited in claim 2 further comprising the steps of:

2 inserting information of said violation of said condition in a report; and

3 issuing said report to a customer.

1 4. The method as recited in claim 1 further comprising the steps of:

2 inserting information on a status of said development environment in a report;

3 and

4 issuing said report to a customer.

1 5. The method as recited in claim 1, wherein said control information comprises
2 one or more of the following: a statement of work, a profile of a server implemented
3 in said development environment, a profile of a network component implemented in
4 said development environment, and a profile of said development environment.

1 6. The method as recited in claim 5, wherein said statement of work comprises
2 standards for hardware components and software components in said target
3 environment, wherein said statement of work comprises contract conditions.

1 7. The method as recited in claim 5, wherein said server profile comprises a
2 description of said server implemented in said development environment.

1 8. The method as recited in claim 5, wherein said network component profile
2 comprises a description of said network component implemented in said development
3 environment.

1 9. The method as recited in claim 5, wherein said profile of said development
2 environment comprises a description of said hardware components and said software
3 components of said development environment, wherein said profile of said
4 development environment comprises a description of said software application to be
5 developed.

1 10. The method as recited in claim 1, wherein said processing said first request
2 comprises updating a profile of a server implemented in said development
3 environment, wherein said server profile comprises a description of said server
4 implemented in said development environment.

1 11. The method as recited in claim 1, wherein said processing said first request
2 comprises updating a profile of a network component implemented in said
3 development environment, wherein said network component profile comprises a
4 description of said network component implemented in said development
5 environment.

1 12. The method as recited in claim 1, wherein said processing said first request
2 comprises updating profile of said development environment, wherein said profile of
3 said development environment comprises a description of said hardware components
4 and said software components of said development environment, wherein said profile
5 of said development environment comprises a description of said software application
6 to be developed.

1 13. The method as recited in claim 1 further comprising the step of:
2 receiving a second request, wherein said second request comprises a request to
3 implement a change in said development environment.

1 14. The method as recited in claim 1 further comprising the step of:
2 receiving a second request, wherein said second request comprises a request to
3 correct a problem detected in said development environment.

1 15. A computer program product embodied in a machine readable medium for
2 creating and managing a development environment that mimics a target environment
3 where a software application will be implemented comprising the programming steps
4 of:

5 receiving a first request comprising a description of said development
6 environment and said software application to be developed, wherein said
7 development environment comprises hardware components and software
8 components, wherein said first request is reviewed in accordance with control
9 information for managing said first request, wherein said first request is processed,
10 wherein upon processing said first request said development environment is
11 established; and

12 monitoring said development environment asynchronously for violations of
13 conditions established by said control information.

1 16. The computer program as recited in claim 15 further comprising the
2 programming steps of:

3 identifying a violation of a condition; and

4 notifying said a developer of said violated condition.

1 17. The computer program as recited in claim 16 further comprising the
2 programming steps of:

3 inserting information of said violation of said condition in a report; and

4 issuing said report to a customer.

1 18. The computer program product as recited in claim 15 further comprising the
2 programming steps of:

3 inserting information on a status of said development environment in a report;

4 and

5 issuing said report to a customer.

1 19. The computer program product as recited in claim 15, wherein said control
2 information comprises a statement of work, wherein said statement of work
3 comprises standards for hardware components and software components in said target
4 environment, wherein said statement of work comprises contract conditions.

1 20. The computer program product as recited in claim 15, wherein said control
2 information comprises one or more of the following: a statement of work, a profile of
3 a server implemented in said development environment, a profile of a network
4 component implemented in said development environment, and a profile of said
5 development environment.

1 21. The computer program product as recited in claim 20, wherein said server
2 profile comprises a description of said server implemented in said development
3 environment.

1 22. The computer program product as recited in claim 20, wherein said network
2 component profile comprises a description of said network component implemented
3 in said development environment.

1 23. The computer program product as recited in claim 20, wherein said profile of
2 said development environment comprises a description of said hardware components
3 and said software components of said development environment, wherein said profile
4 of said development environment comprises a description of said software application
5 to be developed.

1 24. The computer program product as recited in claim 15 further comprising the
2 programming step of:

3 receiving a second request, wherein said second request comprises a request to
4 implement a change in said development environment.

1 25. The computer program product as recited in claim 15 further comprising the
2 programming step of:
3 receiving a second request, wherein said second request comprises a request to
4 correct a problem detected in said development environment.

- 1 26. A system, comprising:
2 a memory unit operable for storing a computer program operable for creating
3 and managing said development environment that mimics said target environment
4 where said software application will be implemented; and
5 a processor coupled to said memory unit, wherein said processor, responsive
6 to said computer program, comprises:
7 circuitry operable for receiving a first request comprising a description
8 of a development environment and a software application to be developed in a target
9 environment, wherein said development environment comprises hardware
10 components and software components, wherein said first request is reviewed in
11 accordance with control information for managing said first request, wherein said first
12 request is processed, wherein upon processing said first request said development
13 environment is established; and
14 circuitry operable for monitoring said development environment
15 asynchronously for violations of conditions established by said control information.
- 1 27. The system as recited in claim 26, wherein said processor further comprises:
2 circuitry operable for identifying a violation of a condition; and
3 circuitry operable for notifying a developer of said violated condition.
- 1 28. The system as recited in claim 27, wherein said processor further comprises:
2 circuitry operable for inserting information of said violation of said condition
3 in a report; and
4 circuitry operable for issuing said report to a customer.
- 1 29. The system as recited in claim 26, wherein said processor further comprises:
2 circuitry operable for inserting information on a status of said development
3 environment in a report; and
4 circuitry operable for issuing said report to a customer.

1 30. The system as recited in claim 26, wherein said control information comprises
2 one or more of the following: a statement of work, a profile of a server implemented
3 in said development environment, a profile of a network component implemented in
4 said development environment, and a profile of said development environment.

1 31. The system as recited in claim 30, wherein said statement of work comprises
2 standards for hardware components and software components in said target
3 environment, wherein said statement of work comprises contract conditions.

1 32. The system as recited in claim 30, wherein said server profile comprises a
2 description of said server implemented in said development environment.

1 33. The system as recited in claim 30, wherein said network component profile
2 comprises a description of said network component implemented in said development
3 environment.

1 34. The system as recited in claim 30, wherein said profile of said development
2 environment comprises a description of said hardware components and said software
3 components of said development environment, wherein said profile of said
4 development environment comprises a description of said software application to be
5 developed.

1 35. The system as recited in claim 26, wherein said processor further comprises:
2 circuitry operable for receiving a second request, wherein said second request
3 comprises a request to implement a change in said development environment.

1 36. The system as recited in claim 26, wherein said processor further comprises:
2 circuitry operable for receiving a second request, wherein said second request
3 comprises a request to correct a problem detected in said development environment.

1 37. A system, comprising:

2 means for receiving a first request comprising a description of a development
3 environment and a software application to be developed in a target environment,
4 wherein said development environment comprises hardware components and
5 software components, wherein said first request is reviewed in accordance with
6 control information for managing said first request, wherein said first request is
7 processed, wherein upon processing said first request said development environment
8 is established; and

9 means for monitoring said development environment asynchronously for
10 violations of conditions established by said control information.

1 38. The system as recited in claim 37, wherein said system further comprises:

2 means for identifying a violation of a condition; and
3 means for notifying a developer of said violated condition.

1 39. The system as recited in claim 38, wherein said system further comprises:

2 means for inserting information of said violation of said condition in a report;
3 and
4 means for issuing said report to a customer.

1 40. The system as recited in claim 37, wherein said system further comprises:

2 means for inserting information on a status of said development environment
3 in a report; and
4 means for issuing said report to a customer.

1 41. The system as recited in claim 37, wherein said control information comprises
2 one or more of the following: a statement of work, a profile of a server implemented
3 in said development environment, a profile of a network component implemented in
4 said development environment, and a profile of said development environment.

1 42. The system as recited in claim 41, wherein said statement of work comprises
2 standards for hardware components and software components in said target
3 environment, wherein said statement of work comprises contract conditions.

1 43. The system as recited in claim 41, wherein said server profile comprises a
2 description of said server implemented in said development environment.

1 44. The system as recited in claim 41, wherein said network component profile
2 comprises a description of said network component implemented in said development
3 environment.

1 45. The system as recited in claim 41, wherein said profile of said development
2 environment comprises a description of said hardware components and said software
3 components of said development environment, wherein said profile of said
4 development environment comprises a description of said software application to be
5 developed.

1 46. The system as recited in claim 37, wherein said system further comprises:
2 means for receiving a second request, wherein said second request comprises
3 a request to implement a change in said development environment.

1 47. The system as recited in claim 37, wherein said system further comprises:
2 means for receiving a second request, wherein said second request comprises
3 a request to correct a problem detected in said development environment.